IN THE CLAIMS

1. - 3. (Canceled)

4. (Currently Amended) A magnetic thin film head comprising:

a write head element; and

a read head element including a sensor film;

wherein a ferromagnetic film having a soft magnetic characteristic and a magnetic shield function is provided ~~formed of NiFe permalloy material by electroplating~~ in the vicinity of said ~~a~~ sensor film ~~arranged as said read head element~~,

wherein said ferromagnetic film comprises NiFe permalloy material and is formed by an electroplating method,

wherein in a first region of said ferromagnetic film which exceeds a film thickness of ~~exceeding~~ 1.0 μm from an initial formed layer, ~~in said ferromagnetic film formed of NiFe permalloy material has an~~ Ni content accuracy is~~of~~ ±0.1 wt%, and

wherein in a second region of said ferromagnetic film where a film thickness is~~of~~ 1.0 μm or less from said

initial formed layer, ~~in said ferromagnetic film formed of NiFe permalloy material has an~~ Ni content accuracy is~~of~~ ±0.3 wt%.

5. - 9 (Canceled)

10. (Currently Amended) A magnetic disk apparatus having a magnetic thin film head comprising:

a magnetic disk;

a magnetic disk driving unit;

a~~A~~ magnetic thin film head comprising~~,~~ a write head element~~,~~ and a read head element; and

a magnetic head driving unit,

wherein a ferromagnetic film having a soft magnetic characteristic and a magnetic shield function is formed of NiFe permalloy material by electroplating in the vicinity of a sensor film arranged as said read head element,

wherein in a first region of said ferromagnetic film in which a film thickness exceeds~~ing~~ 1.0 μm from an initial formed layer, ~~in said ferromagnetic film formed of NiFe~~

~~permalloy material has an~~ Ni content accuracy is~~of~~ ±0.1 wt%, and

wherein in a second region of said ferromagnetic film where a film thickness is of 1.0 μm or less, ~~in said ferromagnetic film formed of NiFe permalloy material has an~~ Ni content accuracy is~~of~~ ±0.3 wt%.

11. (New) The magnetic thin film head according to claim 4, wherein Ni in composition of said ferromagnetic film is 80.8 wt% to 82.0 wt%.

12. (New) The magnetic thin film head according to claim 4, wherein when said ferromagnetic film is formed, a current density used for the electroplating changes.